

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

OSWALD et al.

Atty. Ref.: 1418-37

Serial No. CONTINUATION OF U.S.
APPLICATION 10/203,547

Group: TBA

Filed: June 26, 2003

Examiner: TBA

For: METHOD AND APPARATUS FOR OBTAINING POSITIONAL
INFORMATION

* * * * *

June 26, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

Applicants have checked the appropriate boxes below.

1. ☒ This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No statement under 37 C.F.R. § 1.97(e) or fee is required. In the event, a first Office Action has been mailed prior to filing of the present Information Disclosure Statement, the Office is requested to treat the present paper as a submission under 37 C.F.R. § 1.97(c) and charge the undersigned's Deposit Account No. 14-1140 for the fee required by 37 C.F.R. § 1.17(p). The present paper is submitted in duplicate for this purpose.

2. ☐ This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

- a. ☐ I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b. ☐ I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c. ☐ Attached is our Check No. in the amount of \$ in payment of the fee under 37 C.F.R. § 1.17(p).

3. ☐ This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(i).

- a. ☐ I hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- b. ☐ I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

4. ☐ Relevance of the non-English language document(s) is discussed in the present specification.

5. ☒ Some of the document(s) was/were cited in a corresponding PCT application. An English language version of the PCT search report is attached for the Examiner's information.

6. ☐ A concise explanation of the relevance of the non-English language document(s) appears below:

7. ☐ The Examiner's attention is directed to co-pending U.S. Patent Application No. , filed , (copy attached) which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

8. ☐ Copies of the documents were cited by or submitted to the Office in Application No. , filed , which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

OSWALD et al.

Serial No. CONTINUATION OF U.S.
APPLICATION 10/203,547

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency,
or credit any overpayment, to our Deposit Account No. 14-1140 referencing docket number
1418-37.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:



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INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

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APPLICATION 10/203,547

APPLICANT

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(Use several sheets if necessary)

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TBA

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,660,846	05/1972	Anderson			
	3,735,398	05/1973	Ross			
	3,768,097	10/1973	Ziegler			
	3,898,653	08/1975	Ban et al.			
	3,996,590	12/1976	Hammack			
	4,057,708	11/1977	Greeley et al.			
	4,165,511	08/1979	Wocher et al.			
	4,244,026	01/1981	Dickey, Jr.			
	4,595,924	06/1986	Gehman			
	4,739,329	04/1988	Ward et al.			
	4,864,298	09/1989	Dombrowski			
	4,952,939	08/1990	Seed			
	5,181,039	01/1993	Oswald et al.			
	5,184,135	02/1993	Paradise			
	5,386,737	02/1995	Soeder et al.			
	5,392,050	02/1995	Guerci et al.			
	5,510,800	04/1996	McEwan			
	5,734,346	03/1998	Richardson et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
2 038 132	07/1980	UK/GB			
2 075 301	11/1981	UK/GB			
2 252 217	07/1992	UK/GB			
2 307 811	06/1997	UK/GB			
2 308 034	06/1997	UK/GB			
2 309 555	07/1997	UK/GB			
2 315 179	01/1998	UK/GB			
2 318 009	04/1998	UK/GB			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

BENLARBI-DELAT ET AL.; "MICROWAVE SHORT-RANGE INTERFEROMETRIC RADAR" 1998 International Conference on Modeling and Simulation of Microsystems, Semiconductors, Sensor and Actuators, Proceedings of Modelling and Simulation of Microsystems, Semiconductors, Sensors and Actuators, SANTA CLARA, CA, USA, 6-8 April 1998, pages 637-642, XP001006127
J. ROBINSON; "An I.s.i.-based p.c.m. processor for high-quality sound transmission"; Journal of Inst. of Electronic & Radio Engineers; Vol. 55, No. 7/8; pages 247-252, July/August 1985
" CUMHUR C. Evci ET AL.; "DPCM-AQF Using Second-Order Adaptive Predictors for Speech Signals; IEEE Transaction on Acoustics, Speech and Signal Processing; VOL. ASSP-29, NO. 3; June 1991, pages 337-341.
KUNIHICO ET AL.; "A New Channel Bank with Block Companding"; IEEE Transactions on Communications, VOL. COM-30, NO. 4, April 1982,; pages 574-580.

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

**INFORMATION DISCLOSURE
CITATION**

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,805,110	09/1989	McEwan			
	5,829,782	11/1998	Breed et al.			
	5,900,833	05/1999	Sunlin et al.			
	56,218,983	04/2001	Kerry et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
2 319 420 —	05/1998	UK/GB			
2 324 864 —	11/1998	UK/GB			
2 328 819 —	03/1999	UK/GB			
2 328 820 —	03/1999	UK/GB			
2 336 261 —	10/1999	UK/GB			
40 05 919 —	02/1990	Germany			X
196 37 843 —	09/1996	Germany			ABS
23 29 690 —	01/1975	Germany			ABS
2 594 555 —	08/1997	France			ABS
652 832 —	11/1985	Switzerland			X
0 023 625 —	02/1981	EP			ABS
0 188 757 —	07/1986	EP			ABS
0 293 533 A2 —	12/1988	EP			
0 293 533 A3 —	12/1988	EP			
0 473 082 A2 —	03/1992	EP			
0 473 082 A3 —	03/1992	EP			
0 477 094 —	03/1992	EP			
0 511 914 —	11/1992	EP			X
0 641 448 —	03/1995	EP			
0 831 553 —	03/1998	EP			
0 853 768 —	07/1998	EP			
1 070 968 —	01/2001	EP			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	"New Sensors on the radar"; Interface/Issue 32; Pg. 14.

*Examiner

Date Considered

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